



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Batakrishna MANDAL § Confirmation No.: 3294  
Serial No.: 09/885,332 § Group Art Unit: 3662  
Filed: June 20, 2001 § Examiner: UNKNOWN  
For: Acoustic Logging Tool Having § Atty. Docket No.: 1391-24800  
Quadrupole Source (as amended) § Client Ref. No.: 2000-IP-002325

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**PRELIMINARY AMENDMENT**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**RECEIVED**

Date: February 4, 2004

FEB 11 2004

Sir:

**GROUP 3600**

This amendment is filed with a substitute specification and a marked-up copy of the substitute specification showing the following amendments relative to the original specification.

*Ang Telle*  
In the title, and throughout the specification, claims, and abstract, please amend the word "quadrupole" to read "quadrupole".

Please contact the undersigned with any questions or concerns regarding this amendment.

Respectfully submitted,

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